

NESTEROV, Ivan Ivanovich, kand. geol.-miner. nauk; ROSTOVTSSEV,
Nikolay Nikitich, doktor geol.-miner. nauk; RUDKEVICH,
Maks Yakovlevich, kand. geol.-miner. nauk; DESHKOV, S.I.,
red.; RAKITIN, I.T., tekhn. red.

[The petroleum of Siberia] Neft' Sibiri. Moskva, Izd-vo
"Znanie," 1963. 29 p. (Novoe v zhizni, nauke, tekhnike.
XII Seriya: Geologiya i geografiya, no.13) (MIRA 16:8)
(Siberia--Petroleum geology)

Investigation of the E layer ...

S/203/63/003/002/011/027
D207/D307

cate that 43% of the ionizing energy was emitted by two local regions on the eastern and western limbs of the solar disk near its equator. Acknowledgements are made to Doctor O. Khakhenberg for his interest and to Engineers G. Kober, L. Lange and K. Serafimov for carrying out ionospheric measurements and help in the analysis of ionograms. There are 4 figures and 1 table.

ASSOCIATION: Akademiya nauk Bolgarskoy narodnoy respubliki
Academy of Sciences of the Bulgarian People's Republic
(Institut Genrikha Gertsya, GDR (Heinrich Hertz Institute, East Germany))

SUBMITTED: September 12, 1962

Card 2/2

S/203/63/003/002/011/027
D207/D307

AUTHORS: Nastorov, G. and Taubenkhaym, Yu.

TITLE: Investigation of the E layer of the ionosphere during the solar eclipse of February 15, 1961

PERIODICAL: Geomagnetizm i aeronomiya, v. 3, no. 2, 1963, 277-283

TEXT: The effective ionospheric recombination coefficient and the distribution of sources of ionizing radiation of the sun's disk were determined simultaneously during the total eclipse of February 15, 1961. For this purpose the critical frequencies f_oE of the normal E layer were calculated from measurements in Sofia and Nessebar in Bulgaria during this eclipse. The effective recombination coefficient in the E layer was found to be 10^{-7} cm/sec. This value was used to determine the dependence of the intensity of solar ionizing radiation on time during the eclipse: this dependence was almost exactly parallel to the simultaneously determined variation of the solar radio emission at $\lambda = 20$ cm. The results indi-

Card 1/2

NESTOROV, G.

Altitude of the lower edge of the ionospheric layer E, and shifting of the layer D₂ at sunrise. Doklady BAI 15 no.4:373-376 '62.

1. Vorgelegt von Akademiemitglied L. Krustanov [Krustanov, L.].
Chlen redaktsionnoy kollegii i otvetstvennyy redaktor, "Doklady Bolgarskoy akademii nauk."

NESTOROV, G.; TAUBENHEIM, J.

The recombination coefficient and ionization sources of the layer E during the total solar eclipse of February 15, 1961. Doklady **BAN** 15 no.2:131-134 '62.

1. Predstavleno akad. L. Krystanovym [Krustanov, L.], Chlen Redaktsionnoy kollegii i otvetstvennyy redaktor, "Doklady Bolgarskoy Akademii nauk."

8/269/63/000/004/014/030

A criterion of determining ionization-recombination... A001/A101

ionizing radiation in the eclipse day and in control days. In case of two discrete sources, two instants can be chosen: one between the first and second contacts, and the other - between the third and fourth contacts, for which equations are derived. The solution of these equations, together with the ionization-recombination equation $dN/dt = q - dN^2$ and with the equation $S_h = dQ/dp$, increases the reliability of determining ionization-recombination constants and makes it possible to separate ionizing radiation of the homogeneous disk from ionization of discrete sources.

N. B.

[Abstracter's note: Complete translation]

Card 2/2

8/269/63/000/004/014/030
A001/A101

AUTHORS: Nestorov, G., Taubenheim, J.

TITLE: A criterion of determining ionization-recombination constants of the E ionospheric layer from observations made during a total solar eclipse

PERIODICAL: Referativnyy zhurnal, Astronomiya, no. 4, 1963, 59, abstract
4.51.455 ("Dokl. Bolg. AN", 1962, v. 15, no. 1, 25 - 28, German;
Russian summary)

TEXT: The authors propose a method of interpreting ionospheric and radio astronomical observations during total solar eclipses. If there are n discrete radiation sources on the Sun, the total radiation will be as follows:

$$Q = pS_h + \sum_{i=1}^n \delta_i S_i,$$

where S_h is homogeneous radiation of the undisturbed solar disk; p is the magnitude (in per cent) of the disk uncovered part; $q = q/q_0$, where q and q_0 are

Card 1/2

Radio-observations of ...

37095
2/163/62/555/56/577/583
5228/5504

sphere. The characteristic recordings of the field are appraised qualitatively and quantitatively in order to ascertain certain ionospheric effects on the propagation of radiowaves. [Abstractor's note: Complete translation.]

Card 2/2

32095
S/169/62/000/006/077/093
D228/D304

3.2300

AUTHOR: Nestorov, G.

TITLE: Radio-observations of the third Soviet satellite

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 6, 1962, 19, abstract 66122 (Izv. Geofiz. in-t S"SSR, AN, 2, 1961, 187-203)

SYNOPSIS: Observations on 100 transits of the third Soviet satellite were made by recording the radio-signal level on paper tape and the Doppler effect on magnetophone tape. Using the asymptotic expression of the Doppler frequency ΔF , the author derived formulas for determining the parameters of the satellite's trajectory (t_0, a, m, v_0) directly from the Doppler curves. A method is given for calculating the orbital coordinates, the satellite's height, and its speed by means of radio-observations from three receiving points. It is considered in principle whether it is possible to determine the averaged electron concentration value in the ionospheric region above the F2 layer from the data of radio-wave attenuation in the iono-

Card (1/2)

S/169/63/000/001/019/062
D218/D307

AUTHOR: Nestorov, G.

TITLE: Tropospheric propagation of radiowaves over the
ultralong range radio-relay Botev peak - Sofia
1350 Mc/sec line

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 1, 1963, 17,
abstract 1B105 (Sb. nauchni tr. N.-i. in-t s''
obshch. 1961, 1, 3-28 (Bulg.: summary in Rus.))

TEXT: A twelve-month study was made of the propagation of
radio waves along the 132 km Botev peak - Sofia line. Some proper-
ties were found which are due to the topography of the locality. A
relationship was established between wind velocity and radiowave
fading.

[Abstracter's note: Complete translation]

Card 1/1

NESTCROV, G.; TAUBENHEIM, J.

A criterion for the recombination and ionizing radiation of the
ionospheric layer E, observed during the total solar eclipse.
Doklady BAN 15 no.1:25-28 '62.

1. Vorgelegt von Akademienmitglied L. Krastanov.

S/169/62/000/011/075/077
D228/D307

AUTHORS: Nestorov, G. and Taubenheim, J.

TITLE: Recombination factor and ionizing radiation sources for the E-layer during the total eclipse of February 15, 1961

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 11, 1962, 33-34, abstract 11G214 (Dokl. Bolg. AN, 15, no. 2, 1962, 131-134 (Ger.; summary in Rus.))

TEXT: The effective recombination factor of the E-layer ($\alpha_E = 1.10 \cdot 10^{-7} \text{ cm}^3 \text{ sec}^{-1}$), the relative ionizing radiation intensity of the sun's uniform disk ($S_\lambda = 0.57$), and the discrete sources of the sun's western ($S_1 = 0.26$) and eastern ($S_2 = 0.17$) edges were determined on the basis of analyzing the results of ionospheric and radio-astronomic observations during the total solar eclipse of February 15, 1961. During the total phase $q > 0$ and reaches $\sim 20\%$ of the total amount of radiation.

[Abstracter's note: Complete translation]

Card 1/1

On the effect of corpuscular ... S/169/62/000/008/005/090
E032/E114

method of observation in view of the masking of the weak corpuscular ionising agent by the strong ultraviolet source during these hours. The amplitude of the effect is closely related to the ratio φ/λ where φ and λ are the geographic coordinates of the point of observation. The corpuscular shadow covers a very large region on the earth's surface and this indicates that the source of the corpuscular radiation on the solar disc is limited in area. This conclusion is in agreement with Chapman's theory. The calculated corpuscular velocity (1600-2500 km/sec) is in agreement with current data on this velocity.

12 references.

Abstractor's note: Complete translation.

Card 2/2

99130

S/169/62/000/008/083/090
E032/E114

AUTHOR: Nestorov, G.

TITLE: On the effect of corpuscular radiation on the
ionization of the lower ionosphere

PERIODICAL: Referativnyy zhurnal, Geofizika, no.8, 1962, 27,
abstract 8 G 204. (Dokl. Bolg. AN, v.14, no.6, 1961,
579-582). (German; abstract in Russian)

TEXT: The accepted method of observing electromagnetic waves
of relatively low frequency (164-245 kc/sec) and small angle of
incidence ($10-13^\circ$) on the ionosphere during a total solar eclipse
may be used to elucidate the role of quiet solar radiation in the
ionization of the D-layer during the hours of sunrise. The
intensity of corpuscular ionization of the D-region during the
morning hours (low height of the sun) is comparable with the
intensity of the ultraviolet ionization. The D_c layer
(corpuscular) is very sensitive to the angle of incidence. This
suggests that the layer is very thin. The presence of a
corpuscular shadow effect near noon cannot be detected with this

Card 1/2

NESTOROV, G.

Separable and multiplied buffer stages. p.23.
(RADIO I TELEVIZIIA, Vol. 6, no. 4, 1957, Sofia, Bulgaria.)

SO: Monthly List of East Europeans Acquisitions (EEAL) LC, Vol. 6, no. 12, December 1957 Uncl.

NESTOROV, G.

Determining the amplitude of the intensity of a kenoctron rectifier. p. 88.

Vol. 4, no. 7/8, 1955
RADIO
Sofiya, Bulgaria

So: Eastern European Accession Vol. 5 No. 1 April 1956

NESTOROV, G.

Information on the operation of the vacuum tube generator
(To be contd.) p. 21. RADIO. (Ministerstvo na poshtite,
telegrafite, telefonite i radioto i Tsentralniia suvet na
dobrovolnata organizatsiia za sudeistvie na otbranata)
Sofiya. Vol. 5, No. 4, 1956

SOURCE: East European Accessions List (EEAL) Library of
Congress, Vol. 5, No. 11, November 1956

NESTOROV, G.T.

Experience in reconstructing the Bulgarian radio broadcasting transmitter. Vest. svyazi 16 no.12:29-31 D '56. (MLRA 10:2)

1. Starshiy nauchnyy sotrudnik Nauchno-issledovatel'skogo instituta Ministerstva pochty i telegrafa Narodnoy Respubliki Bolgarii.

(Bulgaria--Radiobroadcasting)

NESTOROV, G.

NESTOROV, G. Space stages. p. 14. Vol. 5, no. 11, 1956 ELEKTROENERGIJA.
Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Vol 6, No. 4--April 19 57

NESTOROV, G.

NESTOROV, G. Space stages. p. 22. Vol. 5, no. 10, 1956 ELEKTROENERGIJA.
Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Vol 6, No. 1--April 1957

NESTOROV, G.

Indirect connection of the antenna with the anode plate. p. 12.

RADIO. Vol. 5, no. 7, 1956

Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Library of
Congress, Vol. 6, No. 1, January 1957

NESTOROV, G.

Audio-frequency oscillator. p.11.
(RADIO I TELEVIZIIA, Vol. 6, no. 3, 1957, Sofia, Bulgaria.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 12, December 1957 Uncl.

NESTOROV, G.

Information on the operation of the vacuum-tube generator. p. 43.

RADIO. Vol. 5, no. 5, 1956

Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Library of
Congress, Vol. 6, No. 1, January 1957

NESTEROV, G.S.

Mathematical analysis of some parameters in sintering iron ores
as a controlled system. Izv. vyzn. ustn. zav.; Chern. met. 8 (1965):
174-179 '65. (NIA 58:2)

1. Ural'skiy nauchno-issledovatel'skiy i proyektnyy institut
obogashcheniya i mekhanicheskoy obrabotki poleznykh iskopaemykh.

CHERTKOV, G.S.; VIKHITSEV, Z.A.

Investigating the effect of the dimensional parameters of the
indicators of the complex and circular processes. See, for exam-
ple, the work of the author, "The effect of the dimensional parameters of the
indicators of the complex and circular processes" (1974).

(continued)

1. iqtisodiy ma'muriy-hududiyatni qayta tashkil etish, iqtisodiy
obogashchaniya iqtisodiy-hududiyatni qayta tashkil etish, ko'chmas qimmatlar.

ILLEGIBLE

NESTEROV, G.S.

Ore dressing technology and cybernetics. TSvet. met. 35 no.11:
24-26 N '62. (MIRA 15:11)
(Ore dressing) (Cybernetics)

NESTEROV, G.S.

Ways of expanding automatic control in ore dressing plants. TSvet.
met. 35 no.9:12-15 S '62. (MIRA 16:1)
(Ore dressing) (Automatic control)

NESTEROV, G. S., inzh.

Automatic measurement of the moisture in products of dressing and agglomerate mixtures. Izv. vys. ucheb. zav.; gor. zhur. 5 no.8:155-160 '62. (MIRA 15:10)

1. Ural'skoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo instituta mekhanicheskoy obrabotki poleznykh iskopayemykh. Rekomendovana kafedroy avtomatizatsii proizvodstvennykh protsessov Sverdlovskogo gornogo instituta imeni Vakhrusheva.

(Ore dressing) (Automatic control)

KRYUKOV, V.P., inzh.; NESTEROV, G.S., inzh.

Dynamic characteristics of technological equipment of ore-dressing plants. Izv. vys. ucheb. zav ; gor. zhur. 5 no.1: 159-164 '62. (MIRA 15:4)

1. Ural'skiy nauchno-issledovatel'skiy institut mekhanicheskoy obrabotki poleznykh iskopayemykh. Rekomendovana kafedroy avtomatizatsii proizvodstvennykh protsessov Sverdlovskogo gornogo instituta.

(Ore dressing--Equipment and supplies)

KHUDOROZHKOV, I.P., inzh.; SIMAKOV, Yu. V., inzh.; NESTEROV, G.S., inzh.
BAZILEVICH, S.V., kand.tekhn.nauk

Automatic control of the speed of sintering machine operations.
Metallurg 5 no. 12:2-4 D '60. (MIRA 13:11)

1. Nizhne-Tagil'skiy metallurgicheskiy kombinat i Uralmekhanobr.
(Sintering--Equipment and supplies) (Automatic control)

VOLOTKOVSKIY, S.A., prof.; NESTEROV, G.S., inzh.

Useful manual on mine hoisting ("Mine hoisting equipment" by N.K. Pravitskii. Reviewed by S.A. Volotkovskii, G.S. Nesterov). Izv. vys. ucheb. zav.; gor. zhur. no.2:143-146 '58. (MIRA 11:5)

1. Sverdlovskiy gornyy institut.
(Mine hoisting) (Pravitskii, N.K.)

TAYEV, K.S., kand.tekhn.nauk; NESTEROV, G.G., inzh.

A.C. arc quenching processes in an arc-suppression grid. Vest.
elektrom. 32 no.6:55-60 Je '61. (MIRA 16:7)
(Electric arc)

NESTEROV, G. F. and RADKEVICH, P. E. (Senior Scientist, All-Union Institute of
Experimental Veterinary Medicine, Professor)

Problems of toxicology and treatment of animals poisoned with zinc phosphide.

Veterinariya vol. 38, no. 9, September 1961, pp. 54.

Abstract - See Summary for details of publication.

RADKEVICH, P.Ye., prof.; NESTEROV, G.F., starshiy nauchnyy sotrudnik

Characteristics of feeding cattle with corn at the soft-dough stage.
Zhivotnovodstvo 22 no.7:23-25 '60. (MIRA 16:5)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.
(Cattle--Feeding and feeds) (Corn as feed)

NESTEROV, G. F., Candidate of Veterinary Sciences

"Utilization of Trypan and Methylene Blue for Treatment of Diarrhea of Piglets-Sucklings"

Trudy Vsesoyuznogo Instituta Eksperimental'noy Veterinarii, Vol 19, No 2, 1952

RADKEVICH, P.Ye., prof.; NESTEROV, G.F., starshiy nauchnyy sotrudnik

Problems of toxicology and treatment of animals poisoned
by zinc phosphide. Veterinariia 38 no.9:54-56 S '61.
(MIRA 16:8)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.

NESTEROV, G.F.

Geometric orientation of shafts with theodolites above and below
the plumb bob. Gor. zhur. no.9:54-56 S '61. (MIRA 18:7)

1. Glavnyy marksheyder Davondinskogo rudoupravleniya.
(Shaft sinking) (Theodolites)

GINZBURG, L.G.; Prinimali uchastiy: NESTEROV, G.F., ispolnyayushchiy
obyazannosti starshego inzhenera; KRYLOV, Ye.I., ispolnyayushchiy
obyazannosti inzhenera

Effect of lubricants on the formation of a carbon deposit in diesel
engines. Inform. sbor. TSNIIMF no.47. Tekh. ekspl. mor. Flota
no.3:49-57 "60. (MIRA 19:1)
(Marine diesel engines--Lubrication)

APPROVED FOR RELEASE: 12/02/11: CIA-RDP86-00513R001136700037-6

NESTEROV, G.A. (Petropavlovsk Kamchatskiy)

Scarecrow and sea lions, Priroda 53 no. 4:111-112 1964. (MIRA 17:4)

ACC NR: AT7005558

lines between the Sun and the Earth, the presence of which is indicated by the Forbush effect of the period under study. The authors express gratitude to Dr. N. N. Yeryushev for submitting the trace of ARS, dated 4 May 1964, and to Dr. Foker from the Astronomical Observatory at the University of Utrecht, Holland, for preparing the diagram. Orig. art. has: 3 figures. [Authors' abstract] [AM]

SUB CODE: 20/SUBM DATE: none/ORIG REF: 006/SOV REF: 007/OTH REF: 013/

Card 2/2

ACC NR: AT7005558

SOURCE CODE: BU/2506/66/008/000/0011/0017

AUTHOR: Letfus, V. --Letfus, Voytek (Doctor); Nestorov, G. --Nestorov, Georgi

ORG: [Letfus] Astronomical Institute, AN CSAV, Ondrejov, Observatory CSSR
(Astronomicky Ustav, CSAV, Obs.)

TITLE: Ionospheric effect of penetration of fast protons into the D-region in the
mean geomagnetic latitudes

SOURCE: Burgarska akademiya na naukite, Geofizichniya institut, Izvestiya, v. 8,
1966, 11-17

TOPIC TAGS: ionosphere, ionosphere physics, proton, fast proton, ionization

ABSTRACT: The effect of the flux of protons on the ionization state of the D-region
was studied. The flux was generated by a chromospheric solar flare which took
place on 4 May 1960. A close correlation was determined between the ionospheric
absorption at 27 and 164 kc and the behavior of the energy flow of protons. The
ionization effect of solar particles during that occurrence is interpreted by a new
mechanism of distribution of these particles over the length of the magnetic energy

Card 1/2

NESTOROV, G.

Equivalent recombination coefficient and total electron number
in the ionospheric D-region. Doklady BAN 17 no.19:1091-1093 '64.

1. Geophysical Institute of the Bulgarian Academy of Sciences,
Sofia. Submitted July 21, 1964.

NESTOROV, G.

Reflecting power on the right of light in the case of
of incidence. Doklady SSSR 17 no. 9: 821-824, 1964.

1. Submitted August 21, 1964.

NIISTEROV, P.P.

More fine apartments. Put' i put. khoz. no.3:20-22 Mr '59.
(MIRA 12:6)

1. Nachal'nik Upravleniya zdaniy i sooruzheniy.
(Apartment houses)

SOV/197 11/11/11/11
Treatment of Patients Suffering From Skin Diseases with Novocaine
Novocaine Injections

frequently give good results in treating patients
suffering from skin diseases, especially those which
are accompanied by itching. There are no side effects.

Card 2/2

17(12)

AUTHORS: Malyanov, A.I., Lieutenant Colonel of the Medical Corps; Nesterov, E.A., Major of the Medical Corps; and Sukhodol'skaya, T.I.

TITLE: Treatment of Patients Suffering From Various Diseases With Intravenous Novocaine Injections.

PERIODICAL: Voenno-meditsinskiy zhurnal, 1952, No. 4, p. 40-2 (USSR)

ABSTRACT: During the 1952/1953 period, the authors of this article treated 140 patients with intravenous novocaine injections combined with external means. The patients were suffering from various skin diseases, including different eczemas, psoriasis in advanced stages, pityriasis, phytosis, toxicodermia, neurorheumatism, etc. The good results warrant the conclusion that intravenous novocaine injections combined with external means

Card 1/2

NESTEROV, E. Z.

NESTEROV, E. Z.: "Inductive resistances of high-frequency machines."
Min Higher Education USSR. Leningrad Electrical Engineering Inst
imeni V. I. Vliyanov (Lenin). Chair of "Electrical Machines."
Leningrad, 1956. (Dissertation for the Degree of Candidate in
Technical Science).

Source: Knizhnaya letopis' No. 28 1956 Moscow

1237

each cavity 4 or 5 pieces were examined. In the wall of chronic cavities the following layers may be distinguished: (1) a caseous-necrotic layer, (2) a specific granulation layer, (3) a non-specific granulation layer and (4) a fibrous layer of various origins. The wall of the cavity develops together with liquefaction of the caseous focus, beginning with the two innermost layers. The unspecific granulation layer develops from the interstitial connective tissue of the lung and partakes in a small degree in the formation of the outer fibrous layer. The latter develops mainly through carnification of the exudate, fibroatelectasis, and interstitial pneumonia with involvement of the surrounding connective tissue. Its formation may be different in the various parts of the lung. The sclerosis of the granulation tissue is a reconstructive process and is one of the factors determining the size of the cavity. Scars in the region of the atelectasis and of carnifying processes are only perifocal reactions, which sometimes may delay cure of the cavity.

Brandt - Berlin (V, 15*)

EXCERPTA MEDICA Sec 5 Vol 12/7 General Path. July 59

schwarz - warren, Pa. (V, 15*)

1897. HISTOGENESIS OF THE WALL OF PULMONARY CAVITIES IN CHRONIC
TB (Russian text) - Nesterov E. N. - ARKH. PATOL. 1958. 20/11
(41-48) Illus. 4

The tuberculous pulmonary cavities of 36 patients who had died from the disease and 10 surgically removed lungs or parts thereof were examined. In total, 33 men and 13 women from 20 to 60 yr. of age were involved. The majority of them had been treated with antibiotics, PAS or phthivazid; only 3 patients had not been treated. From

MACHNEV, B.N., inzh. (Kolonna); NAYMAN, A.M., inzh. (Kolonna); NESTEROV, B.I.,
inzh. (Kolonna); SHAKHRAI, D.I., inzh. (Kolonna); KHLEBNIKOV, Y.I.,
inzh. (Kolonna)

Prospects of the use of gas-turbine locomotives. Zhel.-dor.transp. 45
no.12:48-52 D '63. (MIRA 10:4)

Gas Turbine Engine

S/029/60/000/010/004/006
B024/B067

123 tons; top speed: 125 km/h. The colored cover of the periodical illustrates a gas turbine engine. There are 2 figures and 1 table

ASSOCIATION: Kolomenskiy teplovozostroitel'nyy zavod
(Kolomensk Diesel Engine Works)

Card 2/2

3/029/60/000/010/003/006
B024/B067

AUTHOR: Nesterov, E., Engineer

TITLE: Gas Turbine Engine

PERIODICAL: Tekhnika molodezhi, 1960, No. 10, pp. 11-12

TEXT: A gas turbine engine has now been built at the Kolomenskiy teplovozostroitel'nyy zavod (Kolomensk Diesel Engine Works) where it is also being tested. The top speed of this engine is 100 km/h, and the power of the turbine is 3,500 HP. By increasing the initial temperature of the gas before it enters the turbine, the efficiency could be increased by 40% and even more according to calculations. A high amount of copper - which is very expensive - is necessary for its electrical equipment. If the gas turbine is separated into two independent parts, one part containing the compressor only, the other driving the engine wheel via the reduction gears and a drive shaft, no electrical equipment is necessary. Recently, a gas turbine engine has been built according to this principle at the Czech works imeni Lenin. In January 1960, this engine was tested on Czech railroads; maximum power 3,200 HP; weight

Card 1/2

NESTEROV, D.

Trapezoid screw threads. Standartizatsiia 25 no.3:44-45 Mr '61.
(MIRA 14:3)

(Screw threads, Standard)

BARUZDIN, A.P., kand. tekhn. nauk; NESTEROV, B.Z., kand. tekhn. nauk

Magnetic forces generating vibration and noise in salient pole
synchronous machines. Izv. LETI no.47:275-288 '62.
(MIRA 16:12)

86111

S/112/59/000/012/033/097
A052/A001

Calculation and Experimental Determination of Inductive Resistances of Increased Frequency Machines

when the wound stator teeth coincide with rotor teeth, x_{r} - inductive resistance when the axes of rotor grooves coincide with the axes of stator teeth, x_{r} - inductive resistance when the wound stator teeth coincide with rotor grooves. Then

$$(x_s + x_{\text{am}}) = \frac{1}{2} [(x_o + x_{\frac{r}{2}}) + \frac{1}{2} (x_o - x_{\frac{r}{2}})]$$

$$x_{s3} = \frac{1}{4} [(x_{\frac{r}{2}} - x_o) + \frac{1}{2} (x_o - x_{\frac{r}{2}})]$$

A comparison of computed values of inductive resistances with the experimental ones demonstrates a sufficient coincidence.

G. K. S.

Translator's notes: This is the full translation of the original Russian abstract.

✓

86111

S/112/59/000/012/033/097
A052/A001

Calculation and Experimental Determination of Inductive Resistances of Increased Frequency Machines

the expression of total inductive impedance of the machine of 1st variant.

$$x = x_s + x_{am} + x_{s3} e^{j2\psi}$$

and on two experiments. From the experiment of short circuit ($\psi = \frac{\pi}{2}$):

$$x_k = x_s + x_{am} - x_{s3}$$

From the experiment of resonant conditions ($\psi = 0$) when the internal inductive resistance of the machine is compensated by external capacitive resistance

$$x_p = x_s + x_{am} - x_{s3},$$

$$x_p = \frac{U_c}{I_c}$$

where U_c and I_c are respectively voltage drop in the capacitance and current flowing through it. x_k is determined from short circuit and idle run characteristics. The second method consists in measuring inductive resistances of stator windings of the inductor machine at three positions of the rotor. x_0 - inductive resistance

Card 3/4

86111

S/112/59/000/012/033/097
A052/A001

Calculation and Experimental Determination of Inductive Resistances of Increased Frequency Machines

$$x_s = x_n + x_1 + x_{03} \text{ (ohms)}$$

$$x_n = 15.8 f s_a \left(\frac{\omega_a}{a}\right)^2 l_a l_n \cdot 10^{-8} \text{ (ohms)}$$

$$x_1 = 15.8 f s_a \left(\frac{\omega_a}{a}\right)^2 l_1 l_j \cdot 10^{-8} \text{ (ohms)}, \quad l_1 \approx 0.4$$

$$x_{03} = 1.98 f s_a \left(\frac{\omega_a}{a}\right)^2 l_a \frac{2 \lambda_0^2 + \lambda_1^2}{(k_g C + 1) \lambda_0} \cdot 10^{-8} \text{ (ohms)}$$

$$x_{53} = f \frac{\lambda_1^2}{(k_g C + 1) \lambda_0} l_a \left(\frac{\omega_a}{a}\right)^2 s_a \cdot 10^{-8} \text{ (ohms)}$$

$$x_{am} = 7.9 f \frac{k_g C}{(k_g C + 1)} \lambda_0 l_a \left(\frac{\omega_a}{a}\right)^2 s_a \cdot 10^{-8} \text{ (ohms)}$$

The first method of experimental determination of inductive resistances is based on

Card 2/4

✓

86111

9.2540 (1020,1048,1159)

3/112/59/000/012/033/007
A052/A001

Translation from: Referativnyy zhurnal, Elektrotehnika, 1959, No 12, p 95.
24557

AUTHOR: Nesterov, B.Z.

TITLE: Calculation and Experimental Determination of Inductive Resistances
of Increased Frequency Machines

PERIODICAL: Izv. Leningr. elektrotekh. in-ta, 1958, No. 35, pp. 35-40

TEXT: Methods of calculation and experimental determination of inductive resistances of increased frequency machines are described. Two variants of arrangement of stator coils are considered: 1) stator coils encompass those teeth opposite to which can be arranged teeth or grooves of the rotor at the same time (1st variant of machines) and 2) stator coils are arranged on those teeth opposite to which teeth or grooves of the rotor are not arranged at the same time (2nd variant of machines). Calculation formulae for inductive resistances are derived from an analysis of equations for flux couplings of stator windings for machines of both variants:

Card 1/1

NESTEROV, B.Z.

Leakage reactance of a monophasic core-type transformer equipped with
moving coils. Izv. vys. ubheb. zav.; elektromekh. 1 no. 5:55-62 '58.
(MIRA 11:8)

(Electric transformers)

KAZARNOVSKIY, Ye.M., kand.tekhn nauk; NESTEROV, B.R., inzh.

Testing of TP-170 boiler units with hammer mills and air-flow
separators. Elek. sta. 35 no. 4:2-6 Ap '64. (MIRA 17:7)

KOROVIN, N.V.; NESTEROV, B.P.

Apparatus for investigating electrochemical processes by the
voltammetry method with continuous variation of the potential.
Elektrokhimiya 1 no.12:1474-1476 D '65. (MIRA 1965)

1. Moskovskiy energeticheskiy institut. Submitted February 25,
1965.

L 23872-66

ACC NR: AP6008622

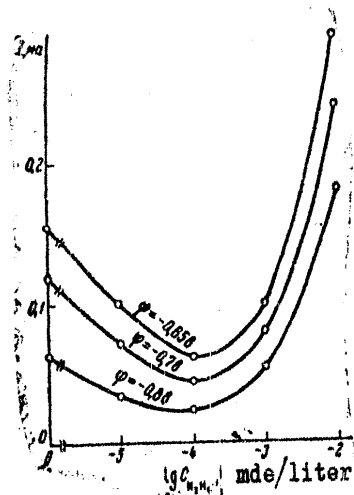


Fig. 1. Anodic current in 6N KOH as a function of hydrazine concentration.

Orig. art. has: 3 figures and 1 equation.

SUB CODE: 07,11 / SUBM DATE: 15Apr65/ ORIG REF: 003/ OTH REF: 004

Card 2/2 *dda*

L 23872-66 EWT(m)/EWP(t) IJP(c) JD/WW/JW/HW/WB
 ACC NR: AP6008622 SOURCE CODE: UR/0365/65/001/006/0658/0661

AUTHORS: Nesterov, B. P.; Korovin, N. V.

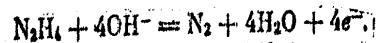
ORG: Moscow Institute for Power Engineering (Moskovskiy energeticheskiy institut)

TITLE: Effect of hydrazine upon anodic oxidation of nickel in an alkaline solution

SOURCE: Zashchita metallov, v. 1, no. 6, 1965, 658-661

TOPIC TAGS: anodic oxidation, nickel, hydrazine

ABSTRACT: Anodic oxidation of nickel in an alkaline solution and the effect of hydrazine upon the process have been investigated by voltamperometry. The method was described by N. V. Korovin and B. N. Nesterov (Elektrokhimiya, 1, 1965). It was established that oxidation of Ni to Ni²⁺ occurs under conditions represented by the area under voltamperic curves preceding the first maximum. Thermodynamic calculations indicate that nickel dioxide (formed in the regions of the potentials of the second current drop) inhibits the anodic processes. Introduction of <10⁻⁴ molar solutions of hydrazine inhibits anodic current, but higher concentrations (10⁻³ molar and above) increase the current at the expense of the oxidation of hydrazine to nitrogen, according to the equation



These phenomena are illustrated in Fig. 1. The authors express their gratitude to Ya. M. Kolotyrkin and N. Ya. Bune for evaluating the results and for their valuable information and advice.

UDC: 541.138.2
 620.197.3

Card 1/2

S/019/60/000/022/088/16'
A156/A026

AUTHORS: Nesterov, B.P., and Safonov, V.I.

TITLE: An Expenditure Integrator

PERIODICAL: Byulleten' izobreteniy, 1960, No. 22, p. 41

TEXT: Class 42d, 10. No. 133625 (658689/26 of Mar 16, 1960). This is an expenditure integrator with air-operated turbines with centrifugal speed governors, differing from others in that for reducing operational errors and for making it capable of measuring small expenditures, the novel model is fitted with a differentially-summarizing mechanism revolved by the above-mentioned turbines, at a uniform number of revolutions, when the input signal equals zero.

Card 1/1

LOPATIN, K.I.; NESTEROV, B.M.

Coefficient of hydrogen sulfide absorption in a mechanical
scrubber. Trudy Len. khim.-farm. inst. no.4:31-33 '58.
(MIRA 12:12)
(Hydrogen sulfide) (Gas purification)

FISHEL', Boris Tov'yevich; NESTEROV, B.A., inzh., retsenzent;
DUGINA, N.A., tekhn. red.

[Making drawings in foundry practice] Razrabotka chertezhei
otlivok. Moskva, Mashgiz, 1963. 70 p. (MIRA 16:7)
(Founding---Details---Drawings)

KOCHUROV, Aleksey Stepanovich; NAZAROV, Aleksey Gavrilovich; ZASYPKIN, Aleksey Georgiyevich; GIMMEL'MAN, Nikolay Robertovich; VOLEGOV, Andrey Fedorovich; NESTEROV, Boris Arkad'yevich; TROYANOV, Andrey Konstantinovich; FILIPPOV, A.S., kand.tekhn.nauk, retsenzent; RYAZANOV, K.I., inzh., retsenzent; ZAKHAROV, B.P., inzh., red.; YERMAKOV, N.P., tekhn.red.

[Manual for modelmakers] Spravochnik rabocheho-model'shchika.
Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1959.
379 p. (MIRA 13:3)

(Models and modelmaking)

ANDERS, V.R.; NESTEROV, B.A.; PIKEL'NER, G.A.; VARFOLOMEYEVA, Ye.M.;
KARPONOSOVA, R.M.

Apparatus for continuous determination of the salt content of
desalted petroleum. Khim. i tekhn. topl. i masel 4 no.3:21-
22 Mr '59. (MIRA 12:4)

1. Spetsial'noye konstruktorskoye byuro po avtomatizatsii
neftepererabotki i neftekhimicheskikh proizvodstv i Ufimskiy
neftepererabatyvayushchiy zavod.
(Petroleum---Analysis)

NESTEROV, A. Ye. [Nesterov, A. Ye.]; VOYTSIKHOVSKII, R.V. [Voytsikhovskii, R.V.]

Analysis of three-component solvent mixtures. Khim. prom.
[Ukr.] no.1:69-72 Ja-Mar '63 (MIRA 1963)

1. Institut khim. polimerov i monomerov AN UkrSSR.

VOYTSEKHOVSKIY, R.V. [Voitsekhivs'kyi, R.V.]; NESTEROV, A.Ye.
[Nestierov, A.IE.]

Viscosity and molecular weight of capron produced under conditions
of high-speed low-temperature polymerization. Khim.prom. [Ukr.]
no.1:15-17 Ja-Mr '64. (MIRA 17:3)

ESKIN, V. Ye.; NESTEROV, A. Ye.

Scattering of light and viscosity of polypropylene sulfide
solution in benzene. Vysokom. soed. 8 no. 1:141-145 Ja '66.
(MIRA 19:1)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR. Submitted
March 3, 1965.

ESKIN, V.Ye.; NESTEROV, A.Ye.

Critical opalescence in solutions of polybutyl methacrylate in isopropyl alcohol and polydimethylsiloxane in tetralin. Vysokom. soed. 7 no.8:1359-1363 Ag '65. (MIRA 18:2)

1. Institut vysokomolekulyarnykh soedineniy AN SSSR.

ESKIN, V.Ye.; NEOSTROV, A.Ye.

Critical opalescence and intermolecular interaction in solutions of
poly- β -styrenes. *Vysokomol. soed.* 7 no.7:1243-1247 1965.
(MIRA 18:3)

1. Institut vysokomolekulyarnykh soedineniy AN SSSR.

L 13074-66

ACC NR: AP5028914

The paper was presented by Academician V. A. Kargin, 12 Apr 65. Orig. art. has:
6 formulas, 1 figure, and 1 table.

SUB CODE: 07 / SUBM DATE: 18Mar65 / ORIG REF: 004 / OTH REF: 010

Card

3/3

DR

L 13074-66

ACC NR: AP5028914

TABLE 1 - Energy of cohesion of poly- β -vinyl naphthalene, polynaphtylmethacrylate,
and polybutylmethacrylate. 2

Solvent

$M_w \cdot 10^{-4}$	η	$T_g, ^\circ C$	Δ	$(\overline{M}_w)^{1/2}, \text{\AA}$	α	β	$\delta 2V_2,$ Kcal/mol
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Poly- β - vinyl naphthalene

Phenylethyl alcohol
Benzyl alcohol
Toluene-decalin

1,12	13,1	59,9	21,0	221	∞	3,05	11400
	2,3	63,5	46,0	139	21,3	2,78	12000
		26,4	78,5	123	4,5	4,16	8800

Polynaphtylmethacrylate

Phenylethyl alcohol
Benzyl alcohol
Petrolin
Toluene

2,6	13,1	52,0	52,2	81,7	4,2	8,0	20500
	2,7	49,4	48,5	81,7	8,7	6,1	20000
	2,4	25,0	64,7	62,9	1,8	9,7	16000
		36	79,9	61,5	0,87	10,6	13400

Polybutylmethacrylate

Isopropyl alcohol

1,3	15,4	64,5	133	8,0	1,73	9700
1,8	16,0	61,7	145	9,7	1,73	9350
3,0	16,3	70,0	171	11,4	1,73	9100

Card 2/3

L 13074-66 EWT(m)/EWP(v)/EWP(j)/T RPL WW/RM

ACC NR: AP5028914

SOURCE CODE: UR/0020/65/165/003/0623/0625

AUTHOR: Eskin, V. Ye.; Nesterov, A. Ye.

ORG: Institute of High Molecular Compounds, Academy of Sciences SSSR (Institut vysokomolekulyarnykh soyedineniy Akademii nauk SSSR)

TITLE: The magnitude of the cohesion energy of certain polymers

SOURCE: AN SSSR. Doklady, v. 165, no. 3, 1965, 623-625

TOPIC TAGS: polymer physical chemistry, intermolecular force

ABSTRACT: Debye proposed a method (J. Chem Phys., 31, 680, 1959) for the determination of the mean radius l of the action of intramolecular forces in polymer solutions based on the measured asymmetries of the critical opalescence. According to the same author (P. Debye et al., J. Chem. Phys., 36, 1803, 1962), the quantity l^2 depends on the mean square radius R^2 of the inertia of polymeric coils within the solution (at critical concentration and near the critical temperature T_k) and on the cohesion energy density for the polymer-polymer (δ_{22}), solvent-solvent (δ_{11}), and polymer-solvent (δ_{12}) combinations. Since l^2 , R^2 , and δ_{11} may be determined separately, they can be used for the determination of δ_{22} and δ_{12} . The present authors carried out the determination of the molar energy of cohesion $\delta_{22} V_2$, and the results are summarized in Table 1.

Card 1/3

UDC: 678.01:53 + 541.6

ESKIN, V.I.; KASPEROV, A.Ye.

Amorphous scattering of light in nonfermionic solutions and the level of fluctuation. Izv. vuz. khim. 9 no. 4:540-544, 1976, 11p. (RUSS 17-5)

1. Institut vyssh. khim. tekhnol. soderzhatel'stva AN SSSR, Leningrad.

ESKIN, V.Ye.; NESTEROV, A.Ye.

Scattering asymmetry and the development of fluctuations in
solution which do not separate into layers. Dokl. AN SSSR 152
no.6:1403-1404 O '63. (MIRA 16:11)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR. Predstavleno
akademikom A.A. Lebedevym.

SOKOLOV, N.P.; NIKOLAYEV, I.I.; ARSHANSKAYA, E.D.; NESTEROV, A.V.

Preliminary data on the effect of copper sulfate on the larvae of *Anopheles* and the algal pellicle of rice fields. Trudy Gidrobiol. ob-va 12:55-59 '62. (MIRA 15:12)

1. Kafedra biologii Andizhanskogo gosudarstvennogo meditsinskogo instituta, Andizhan, UzSSR.

(Copper sulfate)

(Mosquitoes---~~Ex~~termination)

(Algae)

Author: Nesterov, A.V.
 Title: Germination and Propagation of Burdock Tubers and Flatsedge Rootstocks.
 Date: 1977, No. 3, 10-15
 Abstract: Experimentation made at the Uzbek Rice Experimental Station has shown the degree of germination in burdock tubers and rootstocks of the flatsedge (*Cyperus rotundus*) to be greater in the rice paddy when sown five or more cm. ground rather than 15 cm. This result did not occur on a clover field. Flooding to a depth of 10 cm during the first planting period did not hinder the spreading of the vegetative organs of the burdock. Flatsedge rootstocks germinated 32-50% on the average when sown.

1/4

USSR/Cultivated Plants - Grains.

M.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15571

Author : A.V. Nesterov

Inst : ~~_____~~

Title : The Effectiveness of Several Phosphorous Fertilizers in
Rice Crop Rotations.
(Effektivnost' nekotorykh fosfornykh udobreniy v risovom
sevoobotote).

Orig Pub : Kratkiye itogi nauchno-issled. raboty za 1955 g. Krasno-
dar., "Sov. Kuban'", 1956, 64-66.

Abstract : At the Uzbek Rice Station a study was made of the effect
on rice and clover of various kinds and dosages of phos-
phorous fertilizers (powdered superphosphate, granulated,
an organic mineral mixture and thermophosphate.) The
following yield boosts were obtained in clover hay (a
total of two years): Superphosphate 42.7 centners,
thermophosphate 60.8 and 73.8 centners per hectare

Card 1/2

NESTEROV, A.V., elektromekhanik

Axle press for block mechanism sectors. Avtom., telem. i aviaz.
5 no.7:29 JI '61. (MIRA 14-10)

1. Atkarskaya distantziya signalizatsii i svyazi Privolzhskoy
dorogi.

(Railroads---Equipment and supplies)

NESTEROV, A.V., elektromekhanik

Device for fastening wires to a V-shaped connector. Avtom.,
telem. i svyaz' 5 no.6:41 Je '61. (MIRA 14:9)

1. Atkarskaya distantziya signalizatsii i svyazi Privolzhskoy
dorogi.

(Railroads--Signaling)

~~NESTEROV~~, Aleksandr Vladimirovich, kand. istoricheskikh nauk.; LIVSHITS,
Ya. P., red.; BERIOV, A.P., tekhn. red.

[German militarism is a threat to peace] Gernanskii militarizm-ugroza
miru. Moskva, Izd-vo "Znanie," 1958. 45 p. (Vsesoiuznoe obshchestvo
po rasprostraneniю politicheskikh i nauchnykh znaniy. Ser. 7, no. 21).
(MIRA 11:11)

(Germany, West--Defenses)

APPROVED FOR RELEASE: 12/02/11: CIA-RDP86-00513R001136700037-6

NO. 10, 1977

Approved for release in accordance with E.O. 11652, no. 9:83-86
(MARA 10:9)

(Albania--Eurasian)

APPROVED FOR RELEASE: 12/02/11: CIA-RDP86-00513R001136700037-6

KOZHEVNIKOV, S.N.; NESTEROV, A.P.

Dynamics of a hunting unit with a differential resistor. Izv.
matn. i mekh. no. 10/1972:36-47.

(U.S.S.R.)

NESTEROV, A.P.

Tonography; a survey of the literature. Vestn. oft., 74 no. 1: 70-79
'61. (MIRA 14, 3)
(INTRAOCULAR PRESSURE)

NESTEROV, A.P., kand.med.nauk

Tonographic investigations of normal eyes. Oft. zhur. 16 no.3:
144-149 '61. (MIRA 14:5)

1. Iz kliniki glaznykh bolezney (zav. - prof. T.I.Yeroshevskiy)
Kuybyshevskogo meditsinskogo instituta.
(INTRAOCULAR PRESSURE)

NESTEROV, A.P.; SACHAROV, J.N. [Sakharov, Y.N.] (Kuibyshev)

Design of an eye tonograph. Zhurnal mekh opt 6 no.2:50-52
F '61.

NESTEROV, A.P., kand.med.nauk

Dynamics of the aqueous humor in glaucoma. Vest.of. no.4:11-17
'61. (MIRA 14:11)

1. Klinika glaznykh bolezney (zav. - prof. T.I. Yeroshevskiy)
Kuybyshevskogo meditsinskogo instituta.
(GLAUCOMA) (AQUEOUS HUMOR)

NESTEROV, A.P.; SAKHAROV, Yu.I.

Indicator for intraocular pressure. Med. prom. 14 no.9:57-59 S '60.
(MIRA 13:9)

1. Kuybyshevskiy meditsinskiy institut i 4-y Gosudarstvennyy
podshipnikovyy zavod.

(EYE, INSTRUMENTS AND APPARATUS FOR)
(INTRAOCULAR PRESSURE)

NESTEROV, A.P.; SAKHAROV, Yu.I.

Some problems in the construction of an eye tonograph. Pick-up
element. Med.prom. 14 no.4:23-27 Ap '60. (MIRA 13:6)

1. Kuybyshevskiy meditsinskiy institut i 4-y Gosudarstvenny
podshipnikovyy zavod.
(TONOMETERS)

SAKHAROV, Yu.I.; NESTEROV, A.P.

Some problems in designing an optic tonograph. Part 2: Measurement diagram of the apparatus and the recording device. Med. prom. 14, no.5:23-28 My '60. (MIRA 13:9)

1. 4-y Gosudarstvennyy podshipnikovyy zavod i Kuybyshevskiy meditsinskiy institut.

(TONOMETERS)

NESTEROV, A.P., kand.med.nauk

The use of cortisone in ophthalmological practice. Vest.cft. 72
no.4:34-37 J1-Mg '59. (MIRA 13:4)

1. Klinika glaznykh bolezney (zav. - prof. T.I. Yeroshevskiy) Kuy-
byshevskogo meditsinskogo instituta.
(EYE DISEASES ther.)
(CORTISONE ther.)

NESTEROV, A.P.; GORBARENKO, P.G.; SAKHAROV, Yu. I.

High-frequency tonometer for measuring and recording intraocular pressure. Med. prom. 13 no.5:54-57 My '59. (MIRA 12:7)

1. Kuybyshevskiy meditsinskiy institut i 4-y gosudarstvennyy podshipnikovyy zavod.

(EYE, INSTRUMENTS AND APPARATUS FOR)
(INTRAOCULAR PRESSURE)

NESTEROV, A.P., assistant

Morphology of corneal heterogenic transplant. Vest. oft. 71
no.2:12-16 Mr-Ap '58. (MIRA 11:4)

1. Glaznaya klinika (zav.-prof. T.I. Yeroshevskiy) Kuybyshevskogo
meditsinskogo instituta.
(CORNEA, transpl.
heterograft adaptation in rabbit)

NESTEROV, A.P., kand.med.nauk

Local use of cortisone in transplantation of the cornea. Opt.
zhur. 13 no.7:431-434 '58. (MIRA 12:1)

1. Iz kafedry glaznykh bolezney (zav. - prof. T.I. Yeroshevskiy)
Kuybyshevskogo meditsinskogo instituta.
(CORNEA--TRANSPLANTATION)
(CORTISONE)